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Detailed Facility Report


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For Public Release - Unrestricted Dissemination Report Generated on 03/21/2012
US Environmental Protection Agency - Office of Enforcement and Compliance Assurance

Gray text in this report indicates information that is not required to be reported to EPA. These data, typically regarding non-major or smaller facilities, are often incomplete.

Facility Permits and Identifiers

[Data Dictionary](#)

Statute	System	Source ID	Facility Name	Street Address	City	State	Zip
	FRS	110000351397	MARSHALL STEAM STATION	8320 EAST NC HIGHWAY 150	TERRELL	NC	28682
CAA	AFS	3703500073	DUKE ENERGY CAROLINAS LLC - MARSHALL ST	8320 EAST HIGHWAY 150	TERRELL	NC	28682
CAA	AFS	3703500561	CERT OPERATIONS II LLC - MARSHALL STEAM	8320 EAST NC HIGHWAY 150	TERRELL	NC	28682
CAA	NEI	NE144843	Duke Energy Corporation - Marshall Steam Station			NC	28682
CWA	PCS	NC0004987	Duke Enrg Carolinas LLC Marsha	NC Hwy 150	TERRELL	NC	28682
RCRA	RCR	NCD043678879	DUKE ENERGY CAROLINAS - MARSHALL STEAM STATION	8320 E NC 150 HWY	TERRELL	NC	28682
EP313	TRI	28682DKNRG8320E	MARSHALL STEAM STATION	8320 E NC 150 HWY	TERRELL	NC	28682

Facility Characteristics

[Data Dictionary](#)

Statute	Source ID	Universe	Status	Areas	Permit Expiration Date	Latitude/ Longitude	Indian Country?	SIC Codes	NAICS Codes
	110000351397					LRT: 35.594181 , -80.964945	No		
CAA	3703500073	Major (Fed. Rep.)	Operating	MACT (SECTION 63 NESHAPS), TITLE V PERMITS , SIP , PSD , NSPS			NA	4911	221112
CAA	3703500561	Minor (Not Fed.Rep.)	Operating	SIP			NA	1221	212111
CWA	NC0004987	Major	Active		04/30/2015	35.5953 , -80.9644	No	4911	
RCRA	NCD043678879	SQG	Active (H)				No		221112
EP313	28682DKNRG8320E					35.5975 , -80.9658	NA	4911	221112

If the CWA permit is past its expiration date, this normally means that the permitting authority has not yet issued a new permit. In these situations, the expired permit is normally administratively extended and kept in effect until the new permit is issued.

Permit documents for NPDES permit NC0004987 are available online: [Final permit](#), [Fact sheet](#)

For the RCRA program, activities that contribute to an overall facility status of Active are displayed in parentheses using the acronym HPACS, where H indicates handler activities, P - permitting, A - corrective action, C - converter, and S - state-specific. More information is available in the Data Dictionary.

Inspection and Enforcement Summary Data

[Data Dictionary](#)

Statute	Source ID	Insp. Last 05Yrs	Date of Last Inspection	Formal Enf Act Last 05 Yrs	Penalties Last 05 Yrs
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CAA	3703500073	5	06/20/2011	0	\$00
CAA	3703500561	0	Never	0	\$00
CWA	NC0004987	5	06/07/2010	0	\$00
RCRA	NCD043678879	0	09/14/1993	0	\$00

Compliance Monitoring History (05 years)

Data Dictionary

Statute	Source ID	System	Inspection Type	Lead Agency	Date	Finding
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/17/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/11/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	04/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	04/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2007	
CAA	3703500073	AFS	TV COMPLIANCE CERTIFICATION REVIEW BY S	State	02/26/2008	Result=IN COMPLIANCE
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	04/17/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	05/22/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	06/21/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/18/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/04/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	08/24/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	09/20/2007	
CAA	3703500073	AFS	STATE/LOCAL CONDUCTED FCE/ON-SITE	State	08/22/2007	
CAA	3703500073	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	08/28/2007	Result=STACK TEST PASSED
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/24/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	11/16/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	01/11/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	02/27/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	01/30/2008	Result=STACK TEST PASSED
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	04/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	04/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	12/11/2007	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	03/27/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	04/18/2008	

CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	05/22/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	06/29/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	07/22/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	08/21/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/30/2008	
CAA	3703500073	AFS	STATE/LOCAL CONDUCTED FCE/ON-SITE	State	08/28/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	09/16/2008	
CAA	3703500073	AFS	STATE/LOCAL PCE/OFF-SITE	State	10/22/2008	
CAA	3703500073	AFS	TV COMPLIANCE CERTIFICATION REVIEW BY S	State	02/27/2009	Result=IN COMPLIANCE
CAA	3703500073	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	02/04/2009	Result=ACTION ACHIEVED
CAA	3703500073	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	02/03/2009	Result=ACTION ACHIEVED
CAA	3703500073	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	02/05/2009	Result=ACTION ACHIEVED
CAA	3703500073	AFS	STATE/LOCAL CONDUCTED FCE/ON-SITE	State	06/29/2009	
CAA	3703500073	AFS	STATE/LOCAL REQ (O/O) STACK TEST/NOT OB	State	03/11/2010	Result=ACTION ACHIEVED
CAA	3703500073	AFS	STATE/LOCAL REQ (O/O) STACK TEST/NOT OB	State	03/10/2010	Result=ACTION ACHIEVED
CAA	3703500073	AFS	STATE/LOCAL REQ (O/O) STACK TEST/NOT OB	State	03/09/2010	Result=ACTION ACHIEVED
CAA	3703500073	AFS	TV COMPLIANCE CERTIFICATION REVIEW BY S	State	03/25/2010	Result=IN COMPLIANCE
CAA	3703500073	AFS	STATE/LOCAL CONDUCTED FCE/ON-SITE	State	08/03/2010	
CAA	3703500073	AFS	STATE/LOCAL REQ (O/O) STACK TEST/NOT OB	State	03/03/2011	Result=ACTION ACHIEVED
CAA	3703500073	AFS	STATE/LOCAL REQ (O/O) STACK TEST/NOT OB	State	03/02/2011	Result=ACTION ACHIEVED
CAA	3703500073	AFS	OWNER/OPERATOR-CONDUCTED SOURCE TEST	State	03/01/2011	Result=ACTION ACHIEVED
CAA	3703500073	AFS	TV COMPLIANCE CERTIFICATION REVIEW BY S	State	02/28/2011	Result=IN COMPLIANCE
CAA	3703500073	AFS	STATE/LOCAL CONDUCTED FCE/ON-SITE	State	06/20/2011	
CWA	NC0004987	PCS	COMPLIANCE EVAL (NON-SAMPLING)	State	10/30/2007	
CWA	NC0004987	PCS	COMPLIANCE BIOMONITORING	State	02/08/2008	
CWA	NC0004987	PCS	COMPLIANCE EVAL (NON-SAMPLING)	State	05/12/2009	
CWA	NC0004987	PCS	COMPLIANCE BIOMONITORING	State	05/15/2009	
CWA	NC0004987	PCS	COMPLIANCE SAMPLING	State	06/07/2010	

Entries in *italics* are not considered inspections in official counts.

Compliance Summary Data

[Data Dictionary](#)

Information on the nature of [alleged violations](#) is available on the FAQ page.

Statute	Source ID	Current SNC/HPV?	Description	Current As Of	Qtrs in NC (of 12)
CAA	3703500073	YES	VIOLATION ADDRESSED; EPA HAS LEAD ENFORCEMENT	02/11/2012	12
CAA	3703500561	N/A		02/11/2012	
CWA	NC0004987	NO		Jul-Sep11	
RCRA	NCD043678879	No		02/09/2012	0

Three Year Compliance Status by Quarter

[Data Dictionary](#)

Violations shown in a given quarter do not necessarily span the entire 3 months. Information on the nature of [alleged violations](#) is available on the FAQ page, and information on the duration of non-compliance is available at the end of this report.

AIR Compliance Status												
Statute:Source ID	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12
CAA: 3703500073	Apr-Jun09	Jul-Sep09	Oct-Dec09	Jan-Mar10	Apr-Jun10	Jul-Sep10	Oct-Dec10	Jan-Mar11	Apr-Jun11	Jul-Sep11	Oct-Dec11	Jan-Mar12

HPV History	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA	Addr-EPA
Program/Pollutant in Current Violation												
MACT (SECTION 63 NESHAPS)												
TITLE V PERMITS												
SIP	S-MSched	S-MSched	S-MSched	S-MSched								
PSD	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched	S-MSched
SULFUR DIOXIDE												S-MSched
NSPS												

High Priority Violator (HPV) History section: "Unaddr" means the facility has not yet been addressed with a formal enforcement action. "Addr" means the facility has been addressed with a formal enforcement action, but its violations have not been resolved. Lead Agency designated can be US EPA, State, Both, or No Lead Determined. If HPV History is blank, then the facility was not a High Priority Violator. V=Violation; S=Compliance Schedule.

AIR Compliance Status												
Statute:Source ID	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12
CAA: 3703500561	Apr-Jun09	Jul-Sep09	Oct-Dec09	Jan-Mar10	Apr-Jun10	Jul-Sep10	Oct-Dec10	Jan-Mar11	Apr-Jun11	Jul-Sep11	Oct-Dec11	Jan-Mar12
HPV History												
Program/Pollutant in Current Violation												
SIP												

High Priority Violator (HPV) History section: "Unaddr" means the facility has not yet been addressed with a formal enforcement action. "Addr" means the facility has been addressed with a formal enforcement action, but its violations have not been resolved. Lead Agency designated can be US EPA, State, Both, or No Lead Determined. If HPV History is blank, then the facility was not a High Priority Violator. V=Violation; S=Compliance Schedule.

RCRA Compliance Status												
Statute:Source ID	QTR1	QTR2	QTR3	QTR4	QTR5	QTR6	QTR7	QTR8	QTR9	QTR10	QTR11	QTR12
RCRA: NCD043678879	Apr-Jun09	Jul-Sep09	Oct-Dec09	Jan-Mar10	Apr-Jun10	Jul-Sep10	Oct-Dec10	Jan-Mar11	Apr-Jun11	Jul-Sep11	Oct-Dec11	Jan-Mar12
Facility Level Status												
Type of Violation	Agency											

The first date displayed for a RCRA Violation corresponds to the violation determination date, and the next to the resolution date (if the violation has been resolved).

Notices of Violation or Informal Enforcement - AFS, PCS, ICIS-NPDES, RCRAInfo (05 year history)

[Data Dictionary](#)

Statute	Source ID	Type of Action	Lead Agency	Date
- No data records returned.				

Formal Enforcement Actions - (05 year history)

AFS, PCS, RCRAInfo, NCDB

[Data Dictionary](#)

Statute	Source ID	Type of Action	Lead Agency	Date	Penalty	Penalty Description
- No data records returned.						

In some cases, formal enforcement actions may be entered both at the initiation and final stages of the action. These may appear more than once above. Entries in *italics* are not "formal" actions under the PCS definitions but are either the initiation of an action or penalties assessed as a result of a previous action. This section includes US EPA and State formal enforcement actions under CAA, CWA and RCRA.

ICIS

[Data Dictionary](#)

Primary Law/Section	Case Number	Case Type	Lead Agency	Case Name	Issued/Filed Date	Settlement Date	Federal Penalty	State/Local Penalty	SEP Cost	Comp Action Cost
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- No data records returned.

Federal enforcement actions and penalties shown in this section are from the Integrated Compliance Information System (ICIS-FE&C). These actions may duplicate records in the Formal Enforcement Actions section.

† This enforcement case involves more than one facility. Penalties, SEP Cost, and complying action cost apply to the case as a whole and not just to this facility. Click on the Case Number for more information.

Environmental Conditions

[Data Dictionary](#)

Permit ID	Watershed	Watershed Name	Receiving Waters	Impaired Waters?	Combined Sewer System?
NC0004987	03050101	Upper Catawba. N.C., S.C.	CATAWBA RIVER (Lake Norman below el	NO	No

TRI History of Reported Chemicals Released in Pounds per Year at Site:28682DKNRG8320E

[Data Dictionary](#)

Chemical releases reported to TRI are provided for context and are not associated with non-compliance for that facility.

Year /	Total Air Emissions	Surface Water Discharges	Underground Injections	Releases to Land	Total On-site Releases	Total Off-site Transfers	Total Releases and Transfers
2001	11,304,766	8,305		1,999,778	13,312,849	2	13,312,851
2002	11,477,583	8,013		2,869,721	14,355,317	961	14,356,278
2003	13,534,327	8,911		243,388	13,786,626	170	13,786,796
2004	13,580,861	18,970		231,948	13,831,779		13,831,779
2005	15,000,566	97,407		2,489,581	17,587,554	31	17,587,585
2006	11,355,845	76,658		1,866,561	13,299,064	46	13,299,110
2007	3,015,267	92,190		2,381,796	5,489,253	31	5,489,284
2008	710,552	100,844		2,272,618	3,084,014	1,498	3,085,512
2009	768,449	117,602		2,025,247	2,911,298	12,700	2,923,998

TRI Total Releases and Transfers by Chemical and Year

Chemical releases and transfers are in pounds except where otherwise noted.

Chemical Name	2001	2002	2003	2004	2005	2006	2007	2008	2009
ARSENIC COMPOUNDS	72,520	112,967	9,913	2,043	81,289	75,853	68,308	63,887	54,798
BARIUM COMPOUNDS	918,902	1,327,633	104,735	108,346	996,547	796,596	1,047,445	976,691	846,688
BERYLLIUM COMPOUNDS		11,246	1,375	1,959	25,235	17,770	19,690	20,412	19,180
CHROMIUM COMPOUNDS(EXCEPT CHRO	133,912	174,310	22,020	18,630	195,102	148,579	184,422	180,476	169,348
COBALT COMPOUNDS	55,540	73,660	9,743	7,833	149,443	116,614	135,227	136,982	148,139
COPPER COMPOUNDS	157,810	206,880	25,208	18,089	180,681	129,154	156,884	158,432	146,655
LEAD COMPOUNDS	72,263	105,156	12,421	4,743	91,238	65,207	74,464	75,722	78,135
MANGANESE COMPOUNDS	143,790	235,610	15,585	48,719	263,761	153,471	226,090	176,841	134,915
MERCURY COMPOUNDS	719	1,056	722	475	875	802	883	740	857
NICKEL COMPOUNDS	110,230	153,720	17,856	16,591	135,225	96,094	118,819	125,851	119,392
POLYCYCLIC AROMATIC COMPOUNDS,					5	4	4	4	4
SELENIUM COMPOUNDS				24,582	50,277	43,758	46,316	44,141	41,579
ZINC COMPOUNDS	112,500	156,700	19,105	13,407	151,928	116,116	133,611	137,484	130,443
STYRENE				5,988	14,774				
HYDROCHLORIC ACID (1995 AND AF	10,000,000	10,000,000	12,000,000	12,000,000	13,400,096	10,040,542	2,370,499	308,038	331,800
HYDROGEN FLUORIDE	680,000	800,000	790,000	800,000	891,732	722,661	241,115	56,499	50,560
AMMONIA					3,461	49,172	14,430	41,020	28,032
SULFURIC ACID (1994 AND AFTER	610,005	660,000	720,000	730,000	647,113	506,976	372,509	296,730	357,705
DIOXIN AND DIOXIN-LIKE COMPOUN			1						
VANADIUM COMPOUNDS	244,660	337,340	38,113	30,374	308,803	219,741	278,568	285,562	265,768

Demographic Profile of Surrounding Area (3 Miles)

[Data Dictionary](#)

Open more detailed information in a new window (links leave ECHO): [1 Mi](#) [3 Mi](#) or [5 Mi](#).

This section provides demographic information regarding the community surrounding the facility. ECHO compliance data alone are not sufficient to determine whether violations at a particular facility had negative impacts on public health or the environment. Statistics are based upon the 2000 US Census data, and are accurate to the extent that the facility latitude and longitude listed below are correct. The latitude and longitude are obtained from the EPA [Locational Reference Table\(LRT\)](#) when available.

Radius of Area:	3 Miles	Land Area:	71.13%	Households in area:	2,092
Center Latitude:	35.595278	Water Area:	28.87%	Housing units in area:	2,923
Center Longitude:	-80.964444	Population Density:	255.52/sq. mi.	Households On Public Assistance:	1
Total Persons:	5,136	Percent Minority:	4.24%	Persons Below Poverty Level:	205

Race Breakdown	Persons (%)	Age Breakdown:	Persons (%)
White:	4,934 (96.07%)	Child 5 years and less:	410 (7.98%)
African-american:	138 (2.69%)	Minors 17 years and younger:	1,155 (22.49%)
Hispanic-Origin:	19 (0.37%)	Adults 18 years and older:	3,983 (77.55%)
Asian/Pacific Islander:	11 (0.21%)	Seniors 65 years and older:	603 (11.74%)
American Indian:	26 (0.51%)		
Other/Multiracial:	30 (0.58%)		

Education Level (Persons 25 & older)	Persons (%)	Income Breakdown:	Households (%)
Less than 9th grade:	32 (0.95%)	Less than \$15,000:	186 (8.89%)
9th-12th grades:	297 (8.80%)	\$15,000-\$25,000:	148 (7.07%)
High School Diploma:	1,023 (30.32%)	\$25,000-\$50,000:	520 (24.86%)
Some College/2-yr:	916 (27.15%)	\$50,000-\$75,000:	476 (22.75%)
B.S./B.A. or more:	1,106 (32.78%)	Greater than \$75,000:	714 (34.13%)

Notice About Duration of Violations -- The duration of violations shown on this report is an estimate of the actual duration of the violations that might be alleged or later determined in a legal proceeding. For example, the start date of the violation as shown in the ECHO database is normally when the government first became aware of the violation, not the first date that the violation occurred, and the facility may have corrected the violation before the end date shown. In some situations, violations may have been corrected by the facility, but EPA or the State has not verified the correction of these violations. In other situations, EPA does not remove the violation flag until an enforcement action has been resolved.



This report was generated by the Integrated Data for Enforcement Analysis (IDEA) system, which updates its information from program databases monthly. The data were last updated: AFS: 02/11/2012. PCS: 02/10/2012. RCRAInfo: 02/09/2012. FRS: 02/09/2012. TRI: 01/27/2011. ICIS: 02/10/2012.

Some regulated facilities have expressed an interest in explaining data shown in the Detailed Facility Reports in ECHO. Please check company web sites for such explanations.

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